

§ 86.213–94

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§ 86.213–94 Fuel specifications.

Gasoline having the following specifications will be used by the Administrator. Gasoline having the specifications set forth in the table in this section, or substantially equivalent specifications approved by the Administrator, may be used by the manufacturer except that the octane specification does not apply. In lieu of using

gasoline having these specifications, the manufacturer may, for certification testing, use gasoline having the specifications specified in § 86.113–90 provided the cold CO emissions are not decreased. Documentation showing that cold CO emissions are not decreased shall be maintained by the manufacturer and shall be made available to the Administrator upon request.

TABLE—COLD CO FUEL SPECIFICATIONS

Item	ASTM test	Cold CO low octane value or range	Cold CO high octane ¹ value or range
(RON+MON)/2, min	D2699	87.8±.3	92.3±0.5
Sensitivity, min	D2699	7.5	7.5
Distillation range:			
IBP, °F	D86	76–96	76–96
10% point, °F	D86	98–118	105–125
50% point, °F	D86	179–214	195–225
90% point, °F	D86	316–346	316–346
EP, max, °F	D86	413	413
Sulfur, wt. %	D3120	0.035±0.015	0.020±0.015
Phosphorous, g/U.S gal, max	D3231	0.005	0.005
Lead, g/gal, max		0.01	0.01
RVP, psi	D4953	11.5±.3	11.5±.3
Hydrocarbon composition	D1319		
Olefins, vol. pct		12.5±5.0	10.0±5.0
Aromatics, vol. pct		26.4±4.0	32.0±4.0
Saturates		Remainder	Remainder

¹ Gasoline having these specifications may be used for vehicles which are designed for the use of high-octane premium fuel.

§ 86.214–94 Analytical gases.

The provisions of § 86.114–94 apply to this subpart.

§ 86.215–94 EPA urban dynamometer driving schedule.

The provisions of § 86.115–78 apply to this subpart.

§ 86.216–94 Calibrations, frequency and overview.

The provisions of § 86.116–94 apply to this subpart.

§ 86.217–94 [Reserved]

§ 86.218–94 Dynamometer calibration.

The provisions of § 86.118–78 apply to this subpart.

§ 86.219–94 CVS calibration.

The provisions of § 86.119–90 apply to this subpart.

§ 86.220–94 [Reserved]

§ 86.221–94 Hydrocarbon analyzer calibration.

The provisions of § 86.121–90 apply to this subpart.

§ 86.222–94 Carbon monoxide analyzer calibration.

The provisions of § 86.122–78 apply to this subpart.

§ 86.223–94 Oxides of nitrogen analyzer calibration.

The provisions of § 86.123–78 apply to this subpart if NO_x measurements are optionally made.

§ 86.224–94 Carbon dioxide analyzer calibration.

The provisions of § 86.124–78 apply to this subpart.